

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

New and Standard Texts

Wilson and Tracey's Analytic Geometry

THIS book presents in a short course those parts of Analytic Geometry which are essential for the study of Calculus. The text is adapted for use in classes which aim to cover in one year the fundamental principles and applications of both Analytic Geometry and Calculus. Cloth. x+212 pages. Price, \$1.20.

Fite's College Algebra

THE clearness, brevity, and rigor of this book won for it widely extended use. Its perfect adaptation to the needs of college classes is indicated by its steadily increasing sale. Cloth. 289 pages. \$1.40.

Miller and Lilly's Analytic Mechanics

A COURSE that is distinctly teachable, practical, rigorous, and adaptable. Abundant problems and exercises are included. Cloth. 312 pages. \$2.00.

Wells and Hart's Solid Geometry

THE Wells and Hart Solid Geometry has the same qualities of originality and practical efficiency that have won for their Plane Geometry so wide and enthusiastic favor. 75 cents.

Burkhardt's Theory of Functions of a Complex Variable

AUTHORIZED translation, with the addition of figures and exercises by S. E. RASOR. Cloth. Octavo. 450 pages. \$4.00.

Our new Descriptive List of textbooks in Algebra, Analytic Geometry, Calculus, Descriptive Geometry, Differential Equations, Mechanics, Surveying, and Trigonometry mailed free on request.

D. C. HEATH & COMPANY, Publishers

Boston New York Chicago London

Mathematical Tables for Class=Room Use

By MANSFIELD MERRIMAN, Editor-in-Chief of "American Civil Engineers' Pocket-book;" Member, American Mathematical Society.

These tables have been taken from the "American Civil Engineers' Pocketbook," and hence have a form which is approved in the work of practical computation. They will be of value to students in blackboard work, in the examination room, in the field and laboratory, and in the drawing room, as well as in the solution of text-book problems.

This book gives four-place tables by which the time spent in such computations can be much shortened. Tables of trigonometric functions, of logarithms, and of weights and measures are also given.

68 pages, 5x7½. Cloth, 50 cents, net.

FREE EXAMINATION—NO CASH IN ADVANCE

Members of the Mathematical Association of America can obtain a copy of this book for 10 days free examination—no cash in advance. Merely indicate your membership in this society. If not a member you can supply a reference, or state your position.

this society. If not a member you can supply a reference, or state your position.

It is understood that you are to remit the price of the book within 10 days after its receipt, or return it to us, postpaid, within the above time.

JOHN WILEY & SONS, Inc.

432 Fourth Avenue

NEW YORK

MONTREAL, CAN.: Renouf Publishing Co. London: CHAPMAN & HALL, Ltd. SHANGHAI, CHINA: Edward Evans & Sons, Ltd.

MANILA, P. I.: Philippine Education Co.

Should be in every Professional Library

A MATHEMATICAL DICTIONARY and CYCLOPEDIA OF MATHEMATICAL SCIENCE

By CHARLES DAVIES and WM. G. PECK

Definitions of all terms employed in mathematics, an analysis of each branch and of the whole as forming a single science. The only Mathematical Dictionary published in the U. S.

A Standard Work for 60 years

Octavo, Full Sheep, Illustrated by Diagrams, 529 pages. Price \$6.00.

The A. S. BARNES COMPANY
381 Fourth Ave.
NEW YORK

Teachers of Mathematics SHOULD READ

The Mathematics Teacher

The only journal in America devoted entirely to the interests of the teaching of mathematics. It is helping hundreds of others and will help you.

No teacher of mathematics should be without it and you will not be, if a progressive teacher.

Subscription Price, S1.00 a year

THE MATHEMATICS TEACHER

103 Avondale Place SYRACUSE, NEW YORK

SCHOOL AND SOCIETY

A weekly journal, which began publication on January 2, 1915, covering the field of education in relation to the problems of American democracy. Its objects are the advancement of education as a science and the adjustment of our lower and higher schools to the needs of modern life. Each number ordinarily contains articles and addresses of some length, shorter contributions, discussion and correspondence, reviews and abstracts, reports and quotations, proceedings of societies and a department of educational notes and news.

Annual Subscription \$3.00; single copies 10 cents

SCIENCE

A weekly journal, established in 1883, devoted to the advancement of the natural and exact sciences, the official organ of the American Association for the Advancement of Science. For twenty years Science has been generally regarded as the professional journal of American men of science.

Annual Subscription \$5.00; single copies, 15 cents

THE SCIENTIFIC MONTHLY

An illustrated magazine, devoted to the diffusion of science, publishing articles by leading authorities in all departments of pure and applied science, including the applications of science to education and society. Conducted on the editorial lines followed by *The Popular Science Monthly* since 1900.

Annual Subscription \$3.00; single copies, 30 cents

THE AMERICAN NATURALIST

A monthly journal, established in 1867, devoted to the biological sciences with special reference to the factors of organic evolution.

Annual Subscription \$4.00; single copies, 40 cents

AMERICAN MEN OF SCIENCE

A biographical directory, containing the records of about 5,500 scientific men. Price, \$5.00 net

SCIENCE AND EDUCATION

A series of volumes for the promotion of scientific research and educational progress.

Volume I. The Foundations of Science

By H. Poincaré. Containing the authorized English translation by George Bruce Halsted of "Science and Hypothesis," "The Value of Science," and "Science and Method."

Price, \$3.00 net

Volume II. Medical Research and Education

By RICHARD MILLS PEARCE, WILLIAM H. WELCH, C. S. MINOT and other authors.

Price, \$3.00 net

Volume III. University Control

By J. McKeen Cattell and other authors.

Price, \$3.00 net

THE SCIENCE PRESS

LANCASTER, PA. GARRISON, N. Y. SUB-STATION 84, NEW YORK CITY

| To THE SCIENCE PRESS Lancaster, Pa., and Garrison, N Please find enclosed check or mone in payment for the publications check | y order for |
|---|-------------|
| Name | |
| Add | ress |
| Date | |

Important Additions to the Open Court Mathematical Series

A Budget of Paradoxes

Edited with full bibliographical notes and index by DAVID EUGENE SMITH. 2 vols. Cloth, \$7.00.

This famous work has long been out of print, and it well deserves to be rescued from the clutches of the bibliomaniac and given to the educated world at large. It is certainly one of the most fascinating pot-pourris of grave and gay existence, and indispensable to all mathematicians, philosophers and public libraries.—Cambridge Magazine, England.

The Works of William Oughtred

By Florian Cajori. Cloth, \$1.00.

An interesting and concise account of Oughtred's life and work and influence on the development of English mathematics, written in such a way as to be intelligible to readers with a slight knowledge of the subject. Teachers will perhaps be surprised to find how much we owe to this seventeenth century clergyman, especially in the matter of notation, and will find his views on the teaching of mathematics suggestive and helpful.—The Edinburgh Scotsman.

Contributions to the Founding of the Theory

of Transfinite Numbers

By George Cantor. Translated and provided with an Introduction and Notes, by Philip E. B. Jourdain, M.A. Cloth, \$1.25 net. Pp. x+212.

This volume contains a translation of the two very important memoirs of Georg Cantor on transfinite numbers which appeared in 1895 to 1897. These memoirs are the final and logically purified statements of many of the most important results of the long series of memoirs begun by Cantor in 1870. A very full historical account of this work and the work of others which led up to it is given in the introduction, and the notes at the end contain indications of the progress made in the theory of transfinite numbers since 1897. This book is a companion volume to Dedekind's Essays.—The Nation.

The Open Court Publishing Company

122 South Michigan Avenue, Chicago

THE NEW ERA PRINTING COMPANY

LANCASTER, PA.

Is prepared to execute in first-class and satisfactory manner all kinds of printing and electrotyping. Particular attention given to the work of Schools, Colleges, Universities, and Public Institutions.

Books, Periodicals

Technical and Scientific Publications

Monographs, Theses, Catalogues

Announcements, Reports, etc.

All Kinds of Commercial Work

(Printers of the Bulletin and Transactions of the American Mathematical Society, etc., etc.)

Publishers will find our product ranking with the best in workmanship and material, at satisfactory prices. Our imprint may be found on a number of high-class Technical and Scientific Books and Periodicals. Correspondence solicited. Estimates furnished.

THE NEW ERA PRINTING COMPANY

Send for Catalogue and List of our Mathematical Publications

PLANE AND SOLID GEOMETRY

By C. A. HART, Instructor in Mathematics, Wadleigh High School, New York,

AND

DANIEL D. FELDMAN, Principal, Curtis High School, New York.

(In use in the Chicago High Schools)

STANDARD ALGEBRA, REVISED

By WILLIAM J. MILNE, Late President, New York State Normal College, Albany, N. Y.

(In use in the Minneapolis High Schools)

Your correspondence is solicited

NEW YORK
CINCINNATI
CHICAGO
BOSTON
ATLANTA

AMERICAN BOOK COMPANY

330 East 22d Street,

CHICAGO, ILL.